

A Bureau Veritas Group Company

EPA Oversight

Customer

Customer Reference

Sprague Energy Corporation

1.) SEC 4101-11-01

2.) N/A

3.) N/A

Job Number

062711

Bill of Lading Number

N/A

Port of Inspection

Boston, MA

Date of Inspection

June 3, 2011

Location

Sprague Everett

Type of Operation

Analysis

Cargo Grades

1.) Asphalt 64-28

2.)

3.)

4.)

5.)

ALL MEASUREMENTS CONTAINED IN THIS REPORT WERE PERFORMED IN ACCORDANCE WITH THE API CHAPTERS OF PETROLEUM MEASUREMENT STANDARDS AND ASTM PROCEDURES INCLUDING, BUT NOT LIMITED TO: (CHAPTER 3- TANK GAUGING), (CHAPTER 7-TEMPERATURE DETERMINATION), (CHAPTER 8- SAMPLING), (CHAPTER 12- CALCULATION OF PETROLEUM QUANTITIES), AND (CHAPTER 17- MARINE MEASUREMENTS).

ALL INSPECTORATE MEASUREMENTS DEVICES AND METHODS USED FOR QUANTITY AND QUALITY DETERMINATION MEET THE PERTINENT REQUIREMENTS OF 40 CFR 98.3 ET.SEQ. (GREENHOUSE GAS MANDATORY REPORTING RULE).

Michael White



SHORE TANK REPORT

A Bureau Verilas Group Company

Vessel Customer Operation	Sprague Energy Corporation Date June 3		Boston, June 3, 2 Sprague			Report Reference Reference	062711 SEC 4101-11-01 Ex: 061411	
VCF Table	D-4311	ASTM 2004 VCF Table	Product		Asphalt 64-2	28	7	
Volumes	Barrels		API Gravity		4.6			
ShCF App	Yes]					_	
Tank No.	148				Tk Insulated	Yes	Temp Strapped	60
Volumes	Barrels	OP-Date 6/5/2011	Time	10:41	Amb-T Open	285	Amb-T Close	
		CL-Date	Time		ShCF Fact	1.00279	ShCF Fact	
VCF Table	D-4311				ShCorr Vol	91.68	ShCorr Vol	
Gauge	Volume		Roof-Vol	API Grav	Temp/F	VCF Fact		GSV Vol
25-4 3/8	32,860.54		N/A	4.6	285.2	0.9236		30,434.67
Difference	32,860.54				Tank	148	Receipt	30,434.67
Gross Volume		Adjustments Made:					Adjusted GSV	
Tank No.					Tk Insulated	No	Temp Strapped	60
Volumes	Barrels	OP-Date	Time		Amb-T Open		Amb-T Close	
		CL-Date	Time		ShCF fact		ShCF Fact	
VCF Table	D-4311				ShCorrVol		ShCorr Vol	
Gauge	Volume		Roof-Vol	API Grav	Temp/F	VCF Fact		GSV Vol
Difference					Taul		Б	
Gross Volume		Adjustments Made:			Tank		Receipt	
Ordeo Volumo		Adjustinents made.					Adjusted GSV	
Tank No.					Tk Insulated	No	Temp Strapped	60
Volumes	Barrels	OP-Date	Time		Amb-T Open	110	Amb-T Close	- 60
	1494.4800 (MATERIAL/MOVE)	CL-Date	Time		ShCF fact		ShCF Fact	
VCF Table	D-4311				ShCorr Vol		ShCorr Vol	
Gauge	Volume		Roof-Vol	API Grav	Temp/F	VCF Fact		GSV Vol
D!#								
Difference Gross Volume		A alimatus auto Marala			Tank		Receipt	
Gross volume		Adjustments Made:					Adjusted GSV	
Tank No.					Tk Insulated	Na	Town Ct	00
Volumes	Barrels	OP-Date	Time		Amb-T Open	No	Amb-T Close	60
		CL-Date	Time		ShCF fact		ShCF Fact	
VCF Table	6B		11110		ShCorr Vol		ShCorr Vol	
Gauge	Volume		Roof-Vol	API Grav	Temp/F	VCF Fact	3.10011 401	GSV Vol
1000000								
Difference					Tank		Receipt	
Gross Volume		Adjustments Made:					Adjusted GSV	

Product Name	Asphalt 64-28						
API Gravity @60 Cargo Receivers	4.6	4.6					
Barrels @ 60	30,434.67		-				
US Gallons	1,278,256		-				
Pounds	11,068,676		-				
Long Tons	4,941.370		-				
Short Tons	5,534.338		_				
Metric Tons	5,020.503		_				
Liters	4,838,726		=				
Kilograms	5,020,503		7				
Gross Gallons	1,380,143		-				

Condition of shore line Full
Method of verification Line Displacement

Barrels to Long Tons (Table 11) 0.16236
Barrels to Metric Tons (Table 13) 0.16496

Christopher R. Davis Inspectorate Boston, MA

BOSHOR REV 2 1/11



TANK GAUGE TICKET

A Bureau Verilas Group Company

JOB: <u>062711</u>

TERMINAL: Sprague Everett, MA Ex: 061411

VESSEL: EPA Oversight PRODUCT: PG 64-28

	L.FA OVEISI	3.7.		PRODUCT			
SHORE TANK	1	48					
	OPEN	CLOSE	OPEN	CLOSE	OPEN	CLOSE	
A. MEASURED GAUGE HEIGHT (OBSERVED)	42-2 1/2						
B.REFERENCE GAUGE HEIGHT (TANK CHART)	42-2 1/2						
C. OUTAGE (ULLAGE) OBTAINED	25-4 3/8			:			
D. Oil On Tape	0-1 1/2						
E. INNAGE CALCULATED **B-C (USE REFERENCE GAUGE HEIGHT)	16-10 1/8						
F. SIDE GAUGE***	N/A						
G: DIFFERENCE E-F (INNAGE LESS SIDE GAUGE)	N/A						
FREE WATER GAUGED	N/A						
TEMPERATURE NOTE:UML temps	required if > 10	ft. & add'l temp	s if spread is mo	ore than 5 deg F			
UPPER	285.1						
MIDDLE	285.0						
LOWER	285.4						
AVERAGE TEMPERATURE ***	285.2	0.0	0.0	0.0	0.0	0.0	
SIDE TEMPERATURE	N/A						
AMBIENT TEMP.	N/A						
API	4.6						
DATE / TIME	6/5/11 10:41						
FOR INSPECTORATE: (SIGNATURE)	AL						
TERMINAL REPRESENTATIVE (SIGNATURE)	Lance						

BOSGAUGETX REV#2 1/11

2 Williams Street Chelsea, MA Phone:(617) 889-6515 Fax:(617) 889-6311



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SAMPLE RECEIPT

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Vessel	Penn 90" Port Boston, MA Job Number 061411	
Operation	ischarge Terminal Sprague Everett Reference N/A	

Sample No		Descripti	on of Sample		Date/Time	Date/Time	Date	
	Grade	Tank#	B/D-A/D etc.,	Amount	Sampled	Delivered	Disposed	
1123884 1123882 1123882	PG64-28	Barge Comp 148 Flush	b/d	1x1qt	Sampled 6/3/11 14:30 6/5/11 10:00 6/5/11 10:00		- iopoou	
1172885	PG64-28	148 Flush	a/d	1x1qt 1x1ga	6/5/11 10:00			
110886	PG64-28	148	a/d	1x1ga	6/5/11 10:00			
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	Inspector	Anthony LeVasseur
6/5/11	Inspector's Signature	
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F	52 104,14 388 31388 1138A	65,26 29-2
	302020	27/57-2-1
	3525-2-12	27/04 25-21/2
	714-13/8 281 28/4 28/6	55/8/29-1
	454-1-78292.4/282/202	55/89/29-1 115-87 29-1-14
	SP 20-1	29-1
	53 27-0-10	29-2-12
	148 1245	1891
	5	بالمعار
	#48-0/24-1 4,003	25-196/24-6/24 1/2
	T 209,4	2851738512854
6	API 500	
(6ht 45-6-12	175-2.12
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SUBMITTED SAMPLE CHAIN OF CUSTODY

2 Williams Street Chelsea, MA 02150 Phone: (617) 889-6515

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Contact: Chris Davin
Phone: 617-887-6515
Email: Chris. Davin e Inspector
Fax:
617-881-6311

Project Name: O

Project Number: Och bill

Project Manager: One David

4 607	3	
P.O. No:		Page
Quote No:		of

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Comments:	Relinquished By:	Relinquished By:											Lab Number (assigned by lab)
	y.	y Thediagen ()								Sprague Everett / Penn SO	12149 A	TKIYS B	Sample ID: (must agree with container)
		16 base					,			1 50 5 June	70 5 JUNE	50 Same	
	Date:	Date: 6/6								1000	1 1000	1000	Date Time Sampled Sampled
	Time	(O Time								TAR	TAC GO	TAC 6	Sampled On By Property of the Control of the Contro
		49:1									Grad	(Ach	Grab or com- posit (G/C)
	Received By:	Received By:											Container Size (ml.)
	Зу:	By: Short N	5							Applicate Blank	Asphalt 64-15	Asphalt 64-25	Product Grade
	Di	Cal Di	,								VOC	VOC	Analyses Requested/ Special Instructions:
	1,00	Date: Why Ti											
		Time / 5 3 7											
	1	4											

COC Doc No:

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